

WHAT IS CLAIMED IS:

1 1. A method for quantifying an impact of wasteful operations in a
2 database, the method comprising:
3 receiving one or more operations that are determined to be wasteful in the
4 database;
5 detecting when wasteful operations are being performed;
6 recording a time value that is spent on the wasteful operation; and
7 storing the time value, wherein the time value is used to quantify the impact of
8 a performance problem in the database.

1 2. The method of claim 1, wherein the time value measures time spent
2 processing the operation in the database.

1 3. The method of claim 1, wherein the time value is used to determine an
2 impact on the database.

1 4. The method of claim 1, wherein the stored time value is associated
2 with the operation performed.

1 5. The method of claim 1, wherein storing the time value comprises
2 adding the time value to an accumulated time value for the operation.

1 6. The method of claim 5, wherein storing the time value comprises
2 adding the time value to a related operation to the wasteful operation, the related operation
3 being an operation that includes the wasteful operation and another wasteful operation.

1 7. The method of claim 1, further comprising analyzing the performance
2 problem using the stored time value.

1 8. A method for quantifying wasteful operations in a database, the
2 method comprising:
3 receiving a plurality of operations that are determined to be wasteful in the
4 database;
5 detecting when wasteful operations are being performed;

6 recording a plurality of time values for time spent on performing the wasteful
7 operation; and
8 storing the plurality of time values, wherein time values are associated with a
9 wasteful operation that the time values were recorded for, wherein the time values are used to
10 quantify a performance problem in the database.

1 9. The method of claim 8, wherein the impact of the wasteful operation is
2 known before the performance problem is fixed.

1 10. The method of claim 8, wherein quantifying the impact comprising
2 recording a time value for the wasteful operation.

1 11. The method of claim 10, wherein the time value measures the amount
2 of time the operation is processed in the database.

1 12. The method of claim 8, further comprising determining one or more
2 rules that are used to determine when a wasteful operation is being performed.

1 13. A method for quantifying an impact of wasteful operations in a
2 database, the method comprising:
3 determining one or more operations that are determined to be wasteful in the
4 database;
5 determining when to monitor the one or more operations, wherein the one or
6 more operations are monitored when the one or more operations are being processed in the
7 database;
8 detecting when wasteful operations are being performed;
9 quantifying an impact of the wasteful operation; and
10 storing a value that quantifies the impact of the wasteful operation for a
11 performance problem in the database.

1 14. A computer program product stored on a computer-readable medium
2 for quantifying an impact of wasteful operations in a database, the computer program product
3 comprising:

4 code for receiving one or more operations that are determined to be wasteful
5 in the database;
6 code for detecting when wasteful operations are being performed;
7 code for recording a time value that is spent on the wasteful operation; and
8 code for storing the time value, wherein the time value is used to quantify the
9 impact of a performance problem in the database.

1 15. The computer program product of claim 14, wherein the time value
2 measures time spent processing the operation in the database.

1 16. The computer program product of claim 14, wherein the time value is
2 used to determine an impact on the database.

1 17. The computer program product of claim 14, further comprising code
2 for analyzing the performance problem using the stored time value.

1 18. A computer program product stored on a computer-readable medium
2 for quantifying wasteful operations in a database, the computer program product comprising:
3 code for receiving a plurality of operations that are determined to be wasteful
4 in the database;
5 code for detecting when wasteful operations are being performed;
6 code for recording a plurality of time values for time spent on performing the
7 wasteful operation; and
8 code for storing the plurality of time values, wherein time values are
9 associated with a wasteful operation that the time values were recorded for, wherein the time
10 values are used to quantify a performance problem in the database.

1 19. The computer program product of claim 18, wherein the impact of the
2 wasteful operation is known before the performance problem is fixed.

1 20. The computer program product of claim 18, wherein quantifying the
2 impact comprising recording a time value for the wasteful operation.

1 21. The computer program product of claim 20, wherein the time value
2 measures the amount of time the operation is processed in the database.